

Data File : BE098003.D
Acq On : 22 Oct 2018 10:24
Operator : SJ/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.458

Quant Time: Oct 23 01:24:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE101018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 17 08:07:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2446	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	11768	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	7905	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	19601	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	23176	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	22911	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	7654	0.41	ng/ul	-0.01
14) Fluoranthene-d10	19.32	212	23304	0.36	ng/ul	0.00

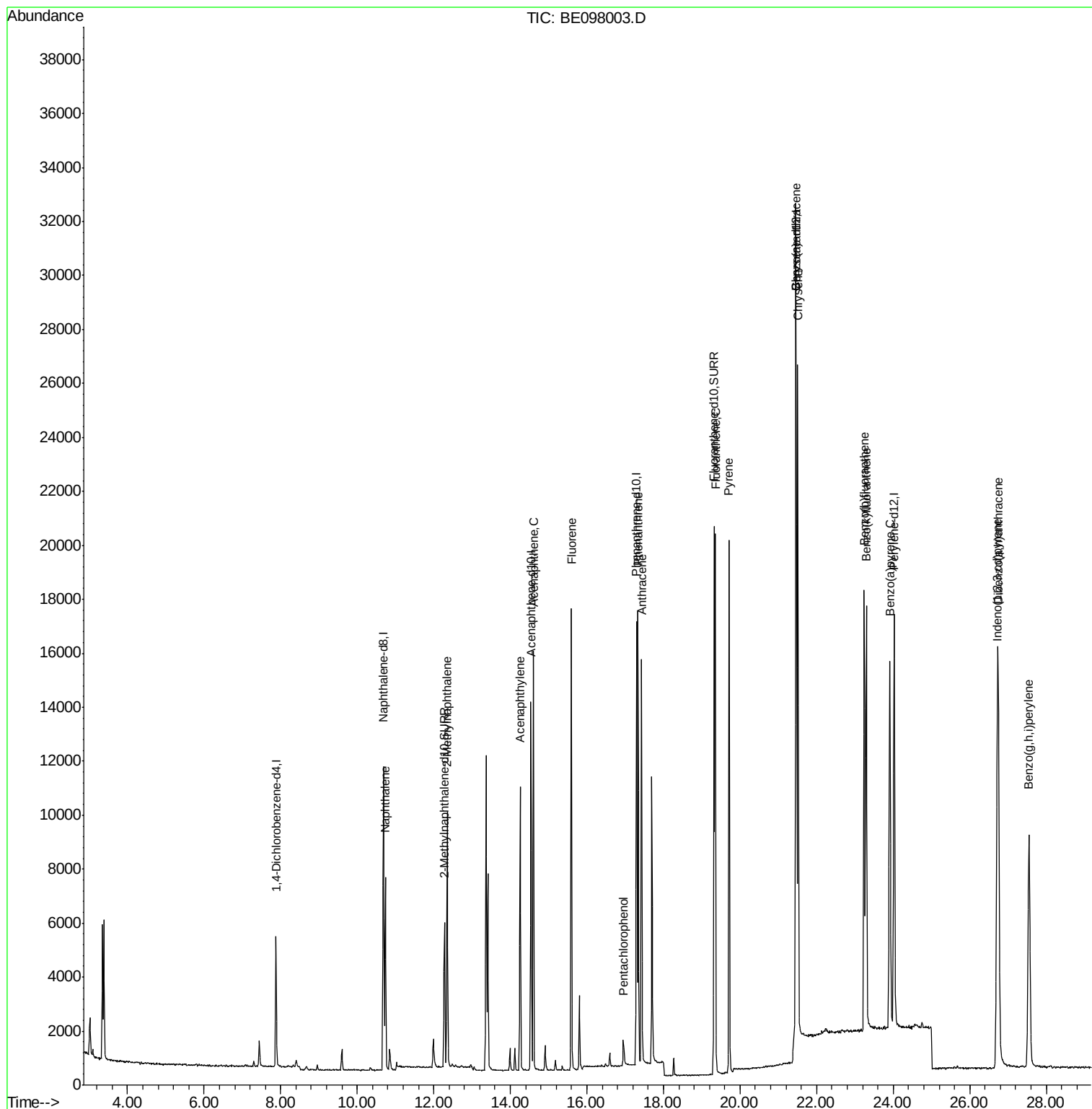
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	10907	0.385	ng/ul	98
5) 2-Methylnaphthalene	12.35	142	8017	0.426	ng/ul	100
7) Acenaphthylene	14.25	152	12016	0.431	ng/ul	96
8) Acenaphthene	14.60	153	8890	0.383	ng/ul	97
9) Fluorene	15.59	166	10582	0.378	ng/ul	99
11) Pentachlorophenol	16.96	266	643	0.359	ng/ul	96
12) Phenanthrene	17.34	178	17581	0.375	ng/ul	98
13) Anthracene	17.43	178	16748	0.421	ng/ul	100
15) Fluoranthene	19.35	202	21793	0.353	ng/ul	97
17) Pyrene	19.71	202	27671	0.486	ng/ul	98
18) Benzo(a)anthracene	21.46	228	27232	0.423	ng/ul	99
19) Chrysene	21.51	228	23926	0.386	ng/ul	97
21) Benzo(b)fluoranthene	23.24	252	23487	0.397	ng/ul	98
22) Benzo(k)fluoranthene	23.29	252	23985	0.357	ng/ul	96
23) Benzo(a)pyrene	23.91	252	22975	0.424	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.72	276	26181	0.426	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.74	278	21769	0.423	ng/ul	98
26) Benzo(g,h,i)perylene	27.55	276	22345	0.385	ng/ul	99

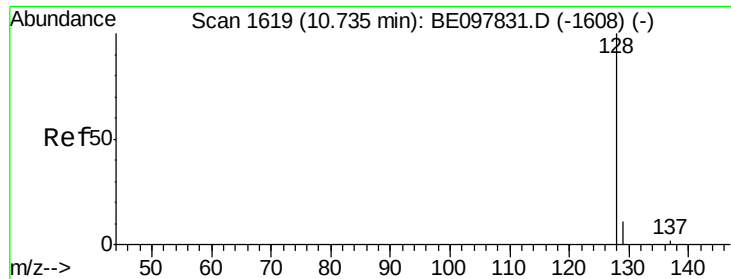
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.385 ng/ul

RT: 10.73 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.458

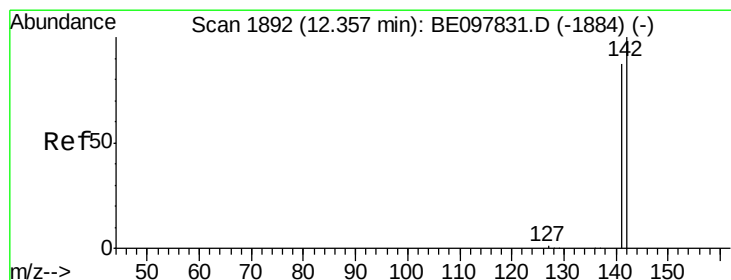
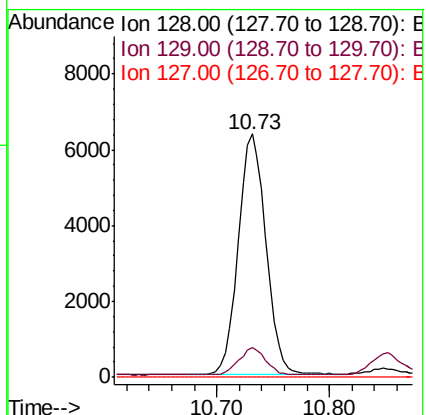
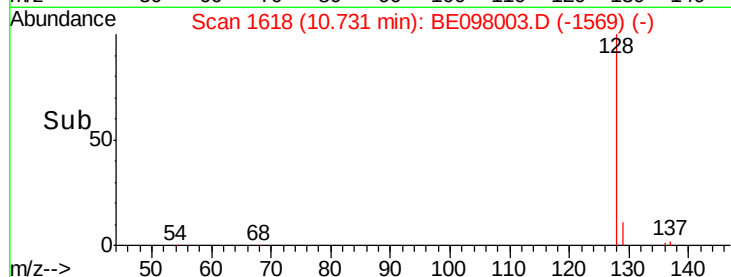
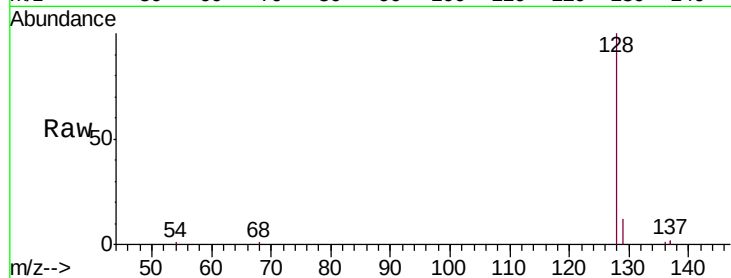
Tgt Ion:128 Resp: 10907

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

127 0.0 0.0 0.0



#5

2-Methylnaphthalene

Concen: 0.426 ng/ul

RT: 12.35 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BE098003.D

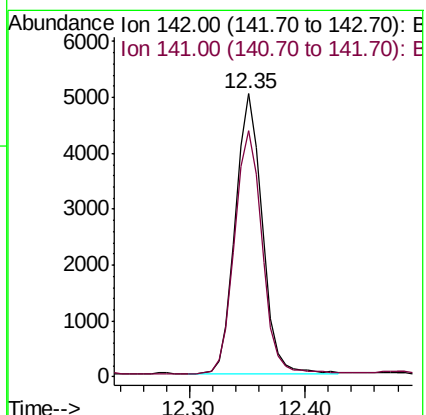
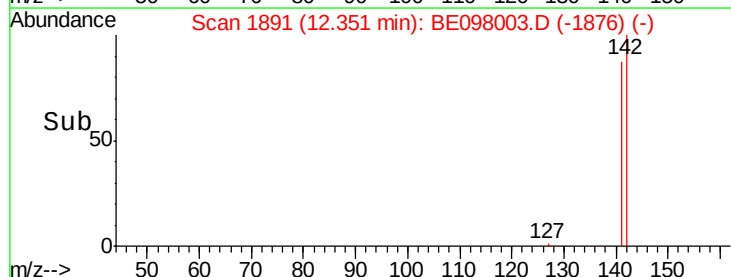
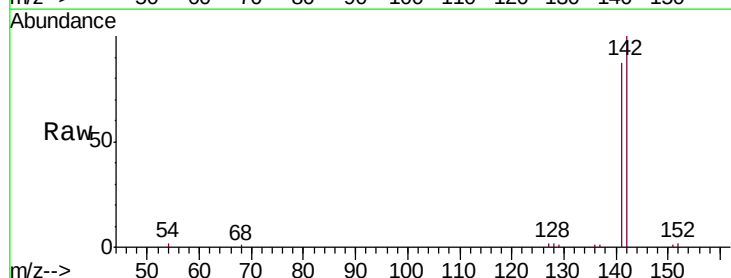
Acq: 22 Oct 2018 10:24

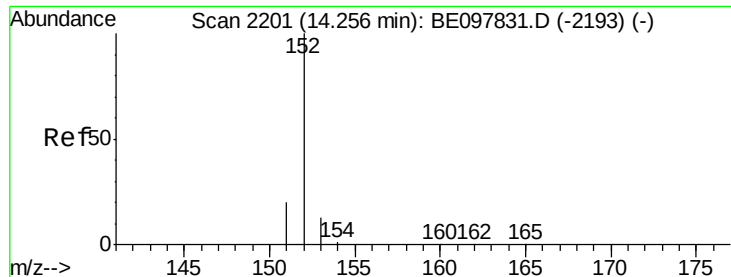
Tgt Ion:142 Resp: 8017

Ion Ratio Lower Upper

142 100

141 89.1 71.6 107.4





#7

Acenaphthylene

Concen: 0.431 ng/ul

RT: 14.25 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.458

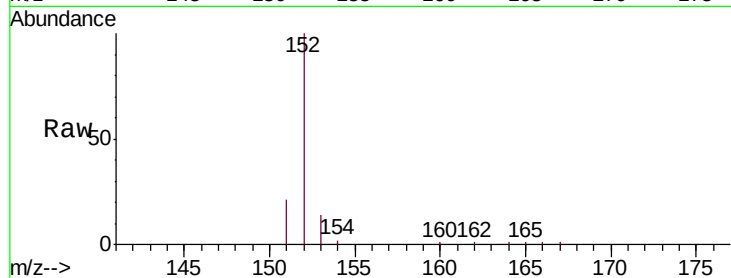
Tgt Ion:152 Resp: 12016

Ion Ratio Lower Upper

152 100

151 20.7 15.0 22.6

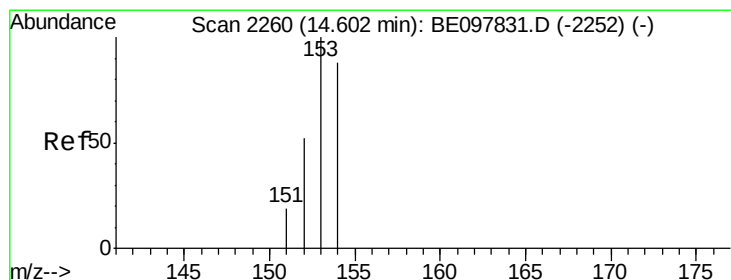
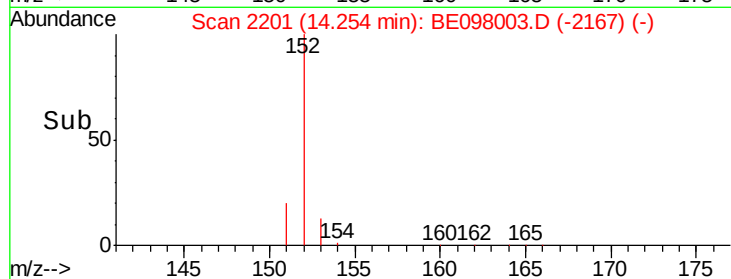
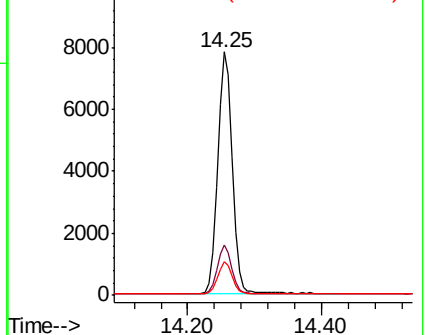
153 14.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.383 ng/ul

RT: 14.60 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

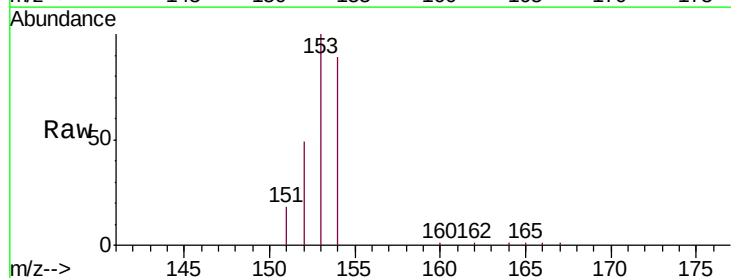
Tgt Ion:153 Resp: 8890

Ion Ratio Lower Upper

153 100

152 49.4 41.2 61.8

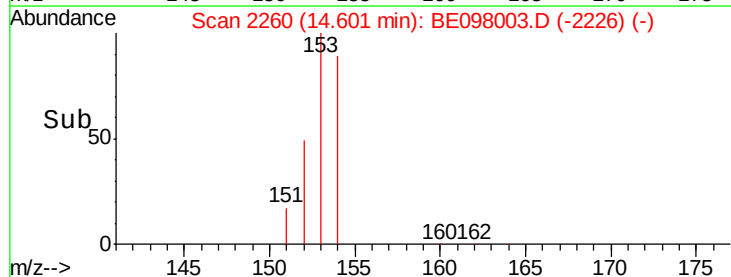
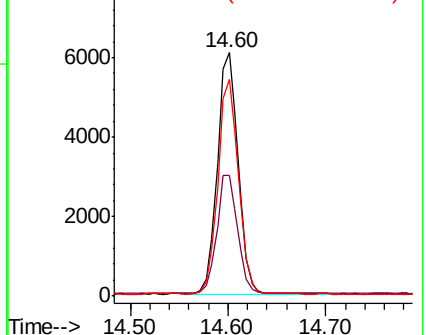
154 89.0 68.6 103.0

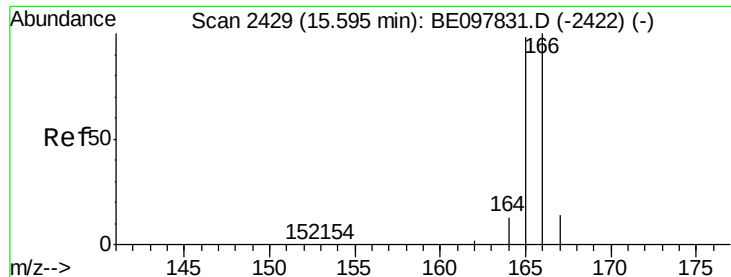


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.378 ng/ul

RT: 15.59 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.458

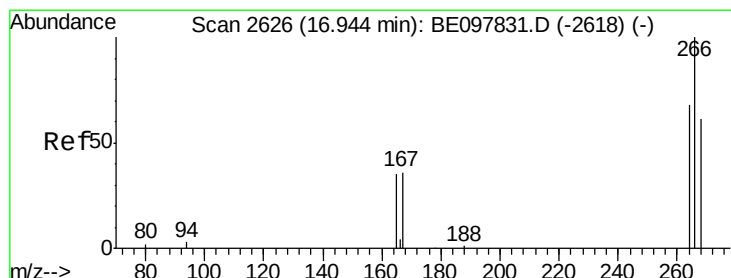
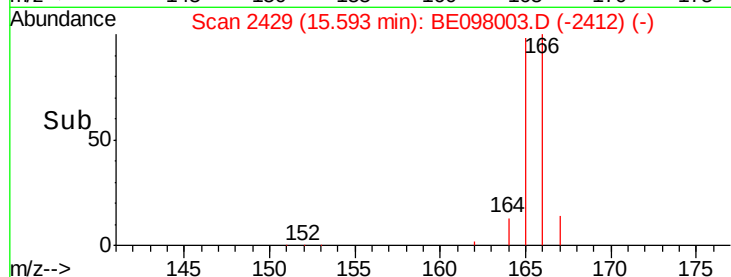
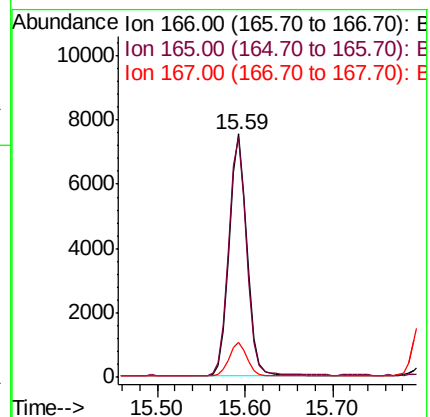
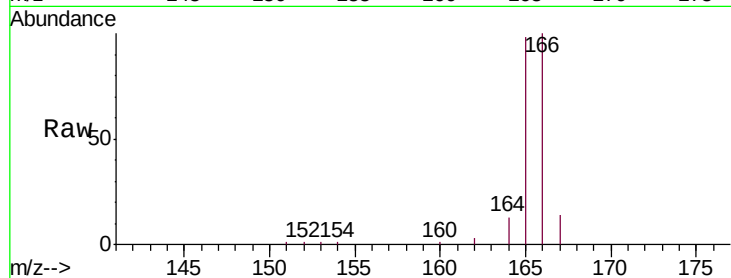
Tgt Ion:166 Resp: 10582

Ion Ratio Lower Upper

166 100

165 98.3 79.2 118.8

167 14.5 11.3 16.9



#11

Pentachlorophenol

Concen: 0.359 ng/ul

RT: 16.96 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

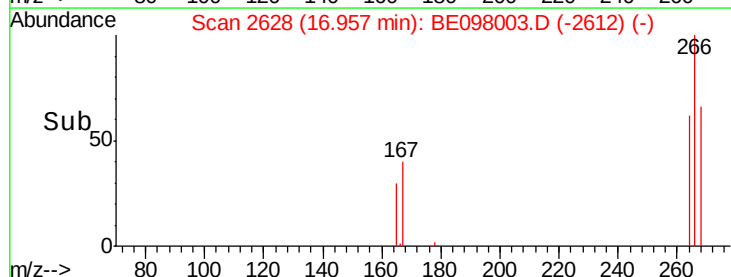
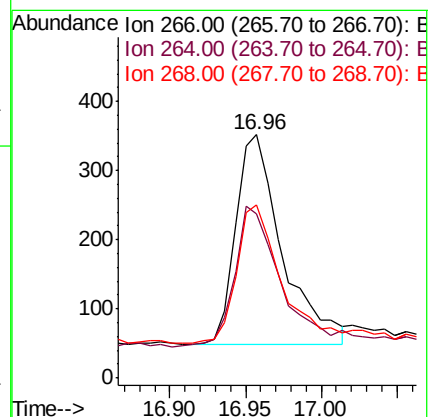
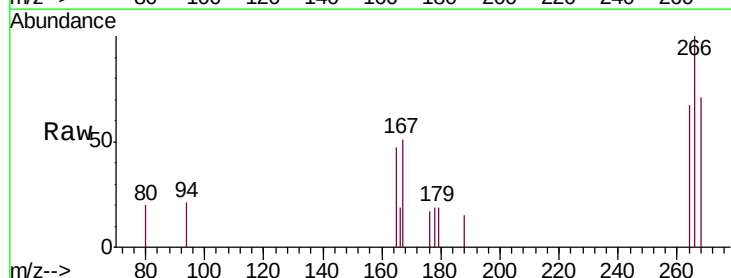
Tgt Ion:266 Resp: 643

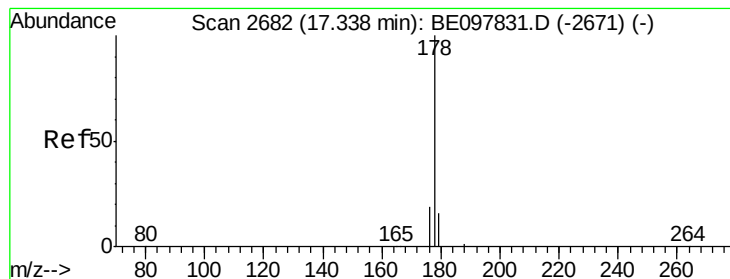
Ion Ratio Lower Upper

266 100

264 66.3 49.8 74.8

268 63.3 48.4 72.6





#12

Phenanthrene

Concen: 0.375 ng/ul

RT: 17.34 min Scan# 2682

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.458

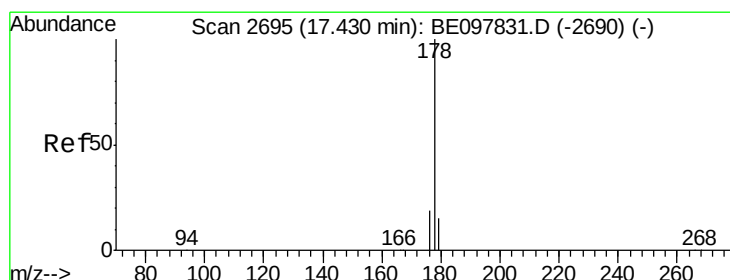
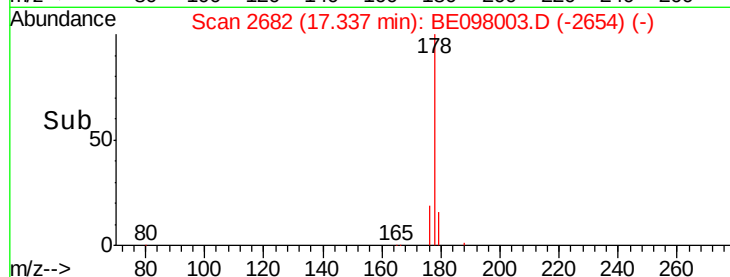
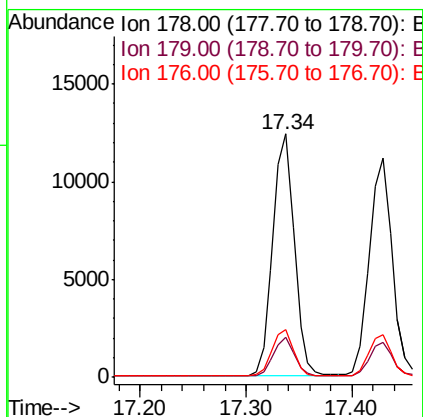
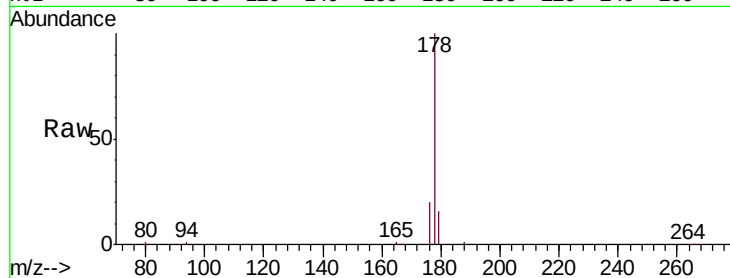
Tgt Ion:178 Resp: 17581

Ion Ratio Lower Upper

178 100

179 16.4 12.8 19.2

176 19.6 14.9 22.3



#13

Anthracene

Concen: 0.421 ng/ul

RT: 17.43 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

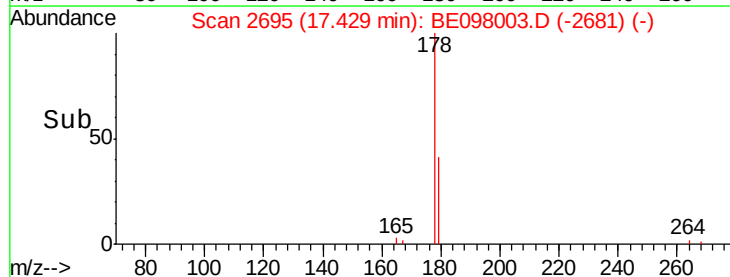
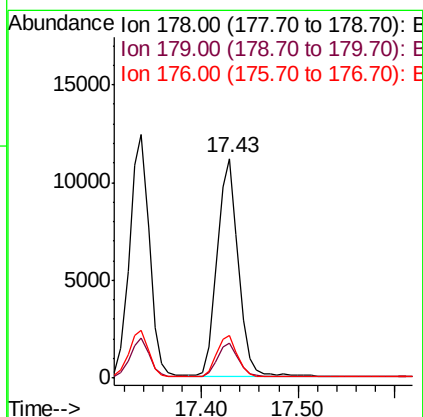
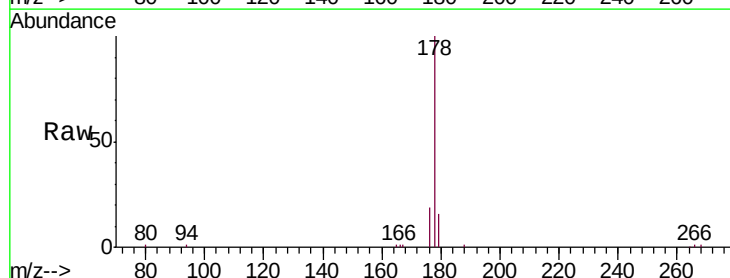
Tgt Ion:178 Resp: 16748

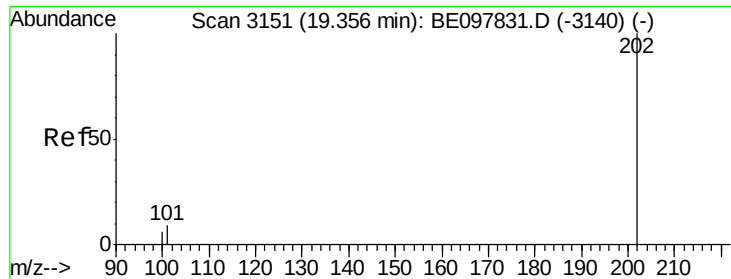
Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

176 19.3 15.5 23.3

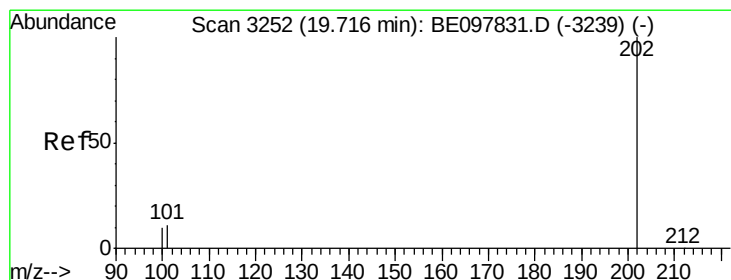
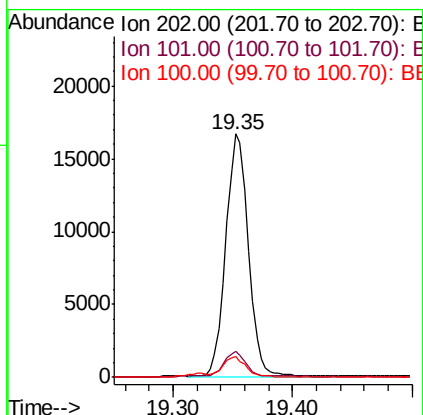
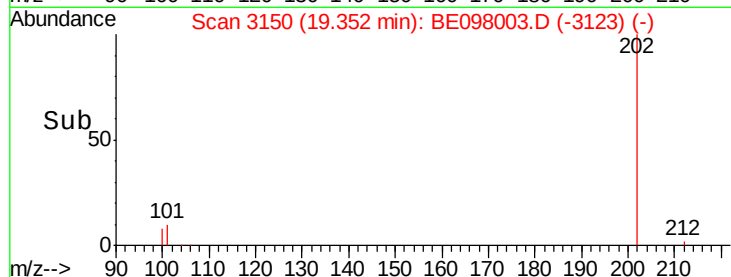
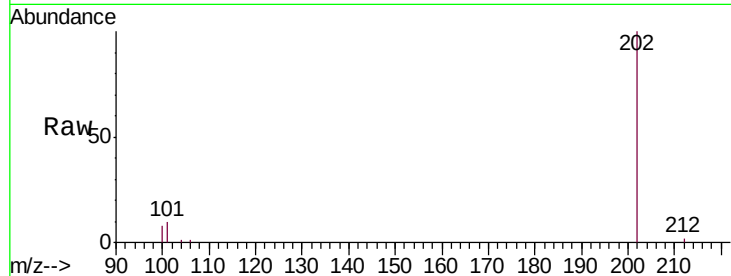




#15
Fluoranthene
Concen: 0.353 ng/ul
RT: 19.35 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BE098003.D
Acq: 22 Oct 2018 10:24

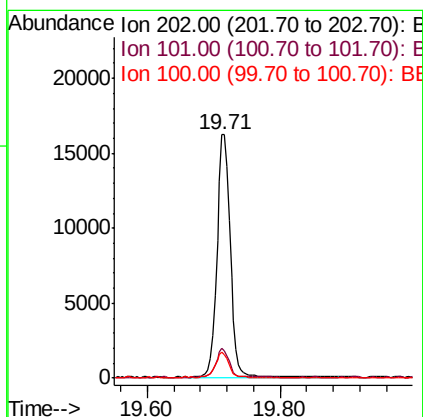
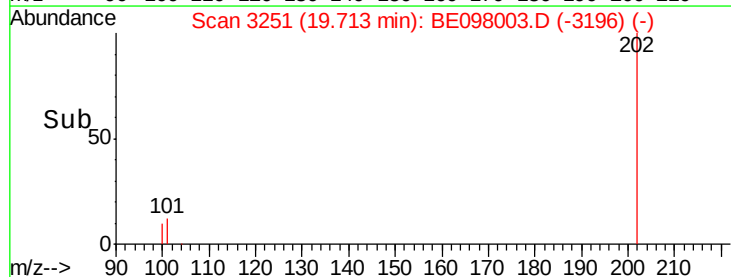
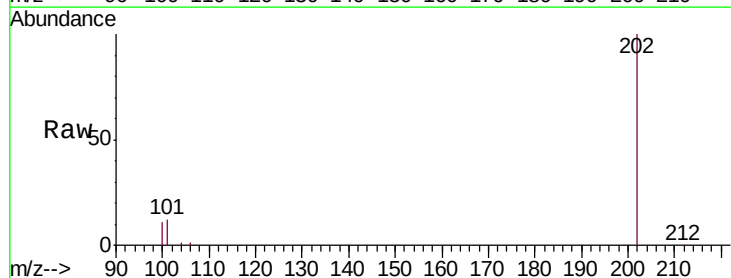
Instrument :
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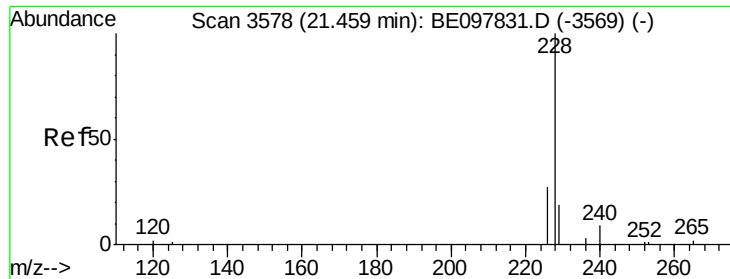
Tgt Ion:202 Resp: 21793
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.3
100 8.3 0.0 27.5



#17
Pyrene
Concen: 0.486 ng/ul
RT: 19.71 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BE098003.D
Acq: 22 Oct 2018 10:24

Tgt Ion:202 Resp: 27671
Ion Ratio Lower Upper
202 100
101 12.1 8.8 13.2
100 10.7 7.9 11.9





#18

Benzo(a)anthracene

Concen: 0.423 ng/ul

RT: 21.46 min Scan# 3578

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.458

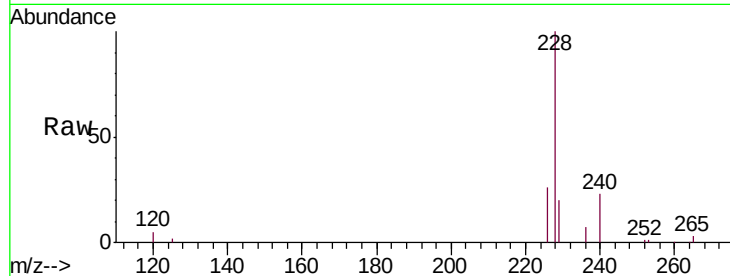
Tgt Ion:228 Resp: 27232

Ion Ratio Lower Upper

228 100

229 20.2 16.4 24.6

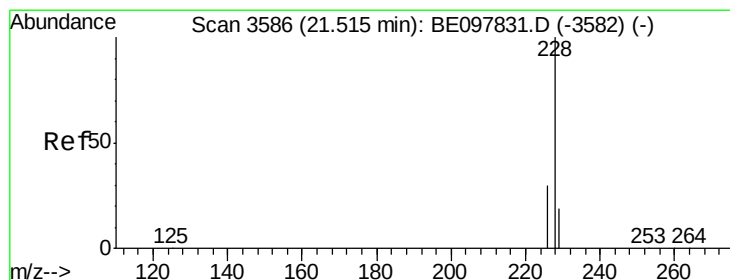
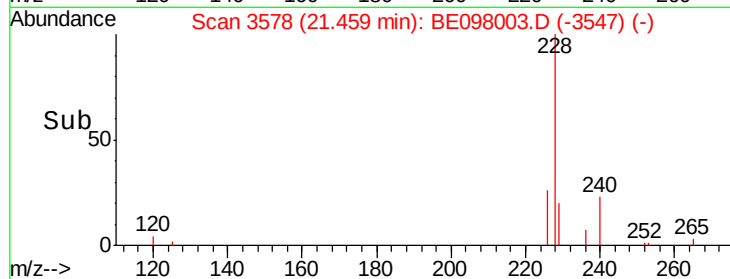
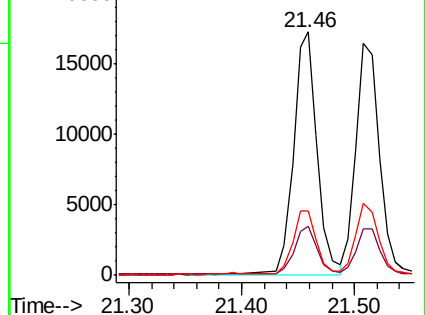
226 26.4 21.5 32.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.386 ng/ul

RT: 21.51 min Scan# 3585

Delta R.T. -0.01 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

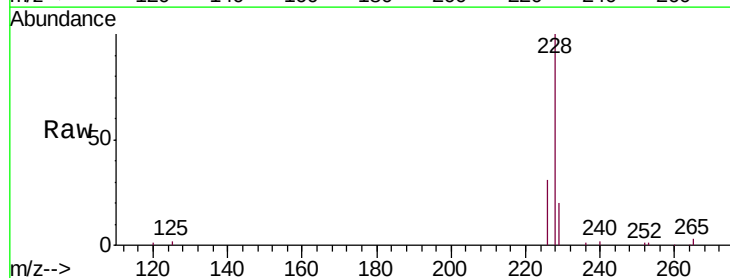
Tgt Ion:228 Resp: 23926

Ion Ratio Lower Upper

228 100

226 30.8 23.0 34.4

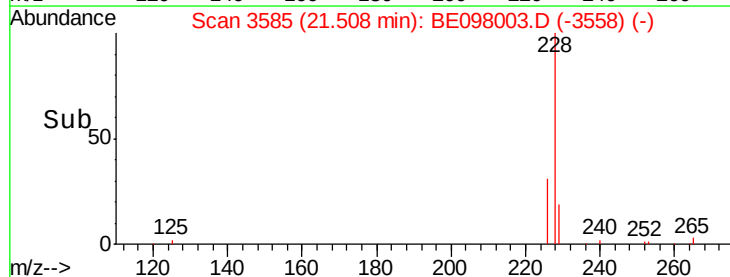
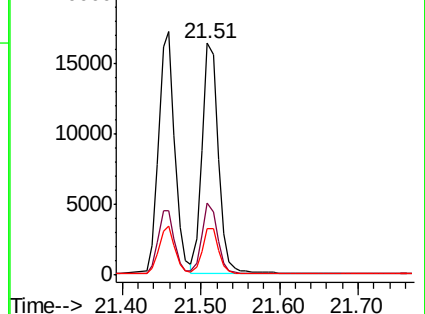
229 19.8 15.5 23.3

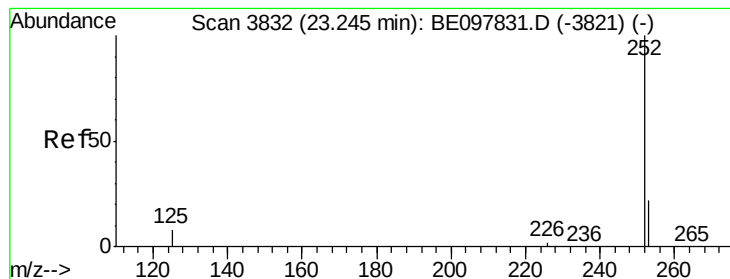


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.397 ng/ul

RT: 23.24 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

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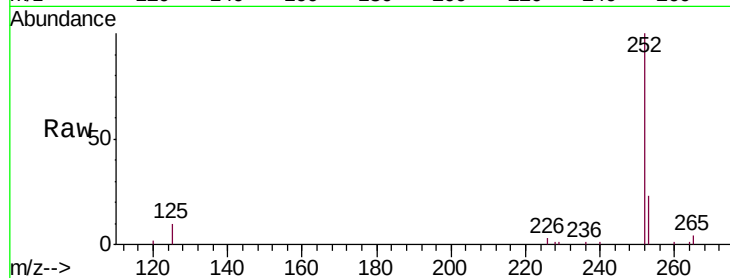
Tgt Ion:252 Resp: 23487

Ion Ratio Lower Upper

252 100

253 23.1 0.0 47.0

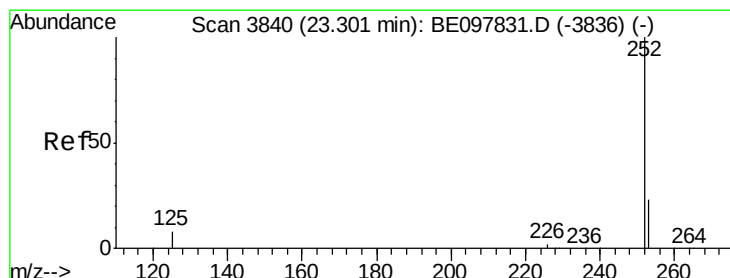
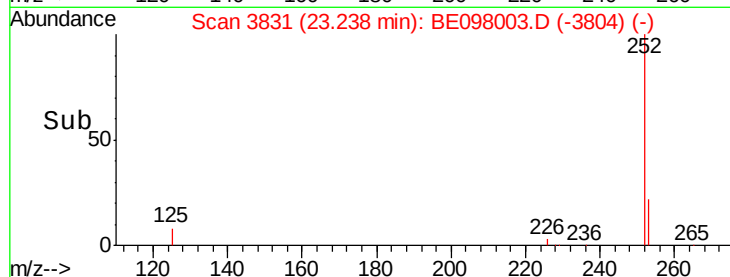
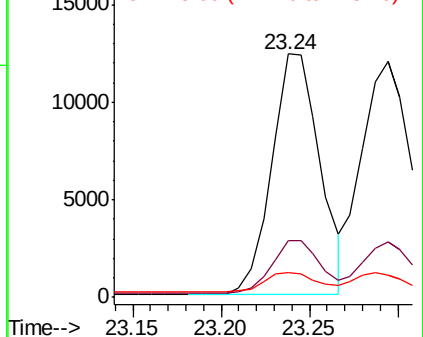
125 10.4 0.0 18.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.357 ng/ul

RT: 23.29 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

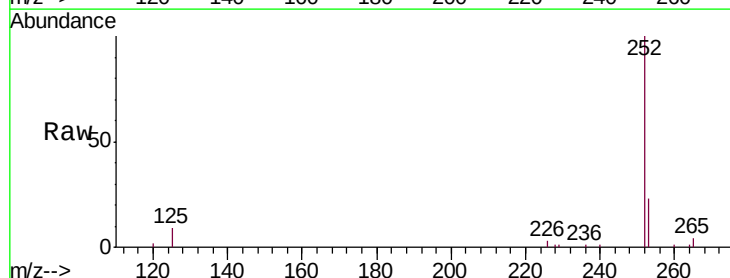
Tgt Ion:252 Resp: 23985

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

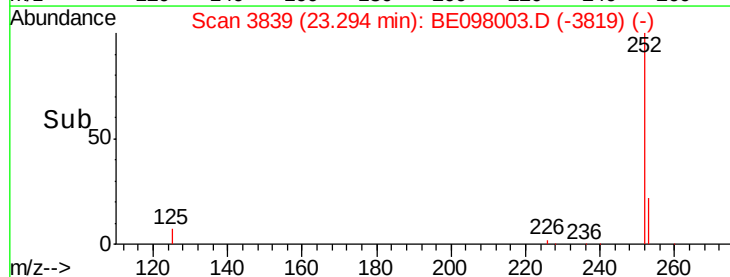
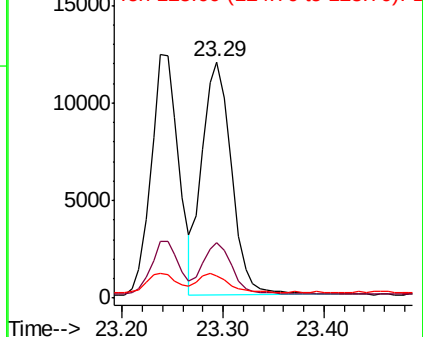
125 9.4 9.4 14.0

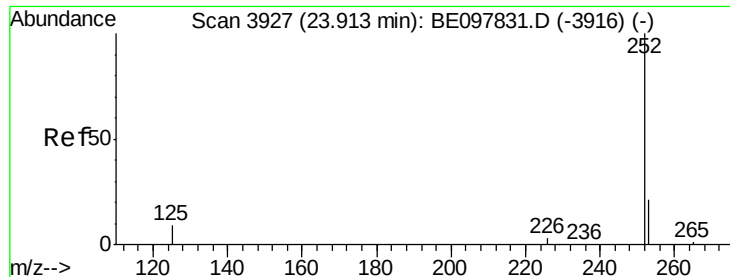


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.424 ng/ul

RT: 23.91 min Scan# 3927

Delta R.T. -0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.458

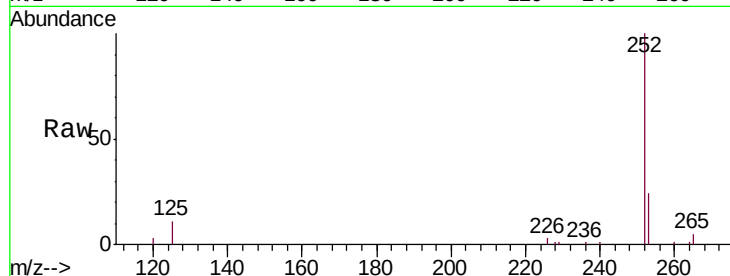
Tgt Ion:252 Resp: 22975

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.4

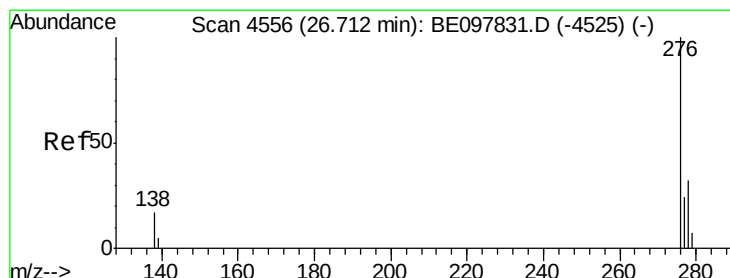
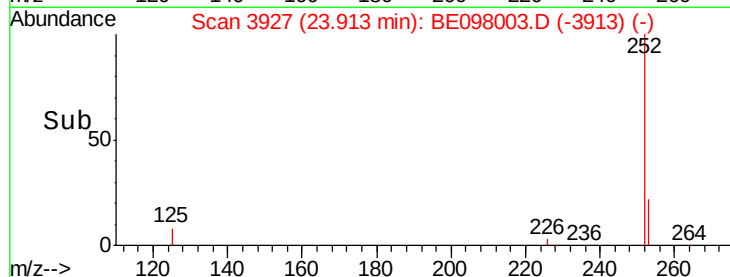
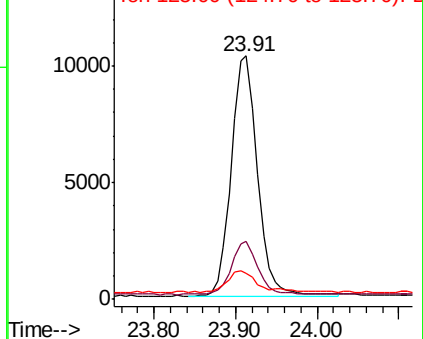
125 10.5 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.426 ng/ul

RT: 26.72 min Scan# 4557

Delta R.T. 0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

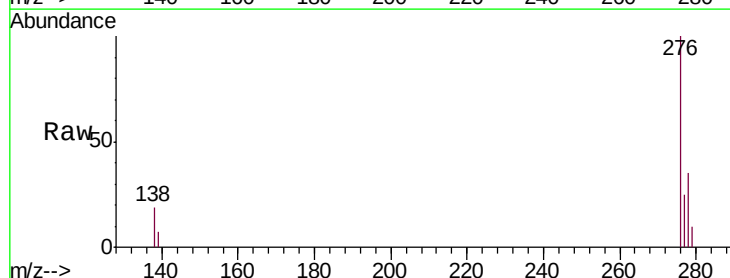
Tgt Ion:276 Resp: 26181

Ion Ratio Lower Upper

276 100

138 20.5 0.0 0.0#

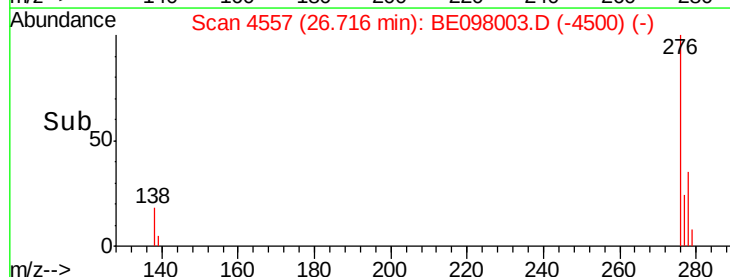
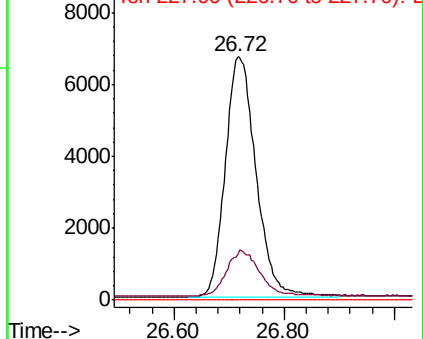
227 0.0 0.0 0.0

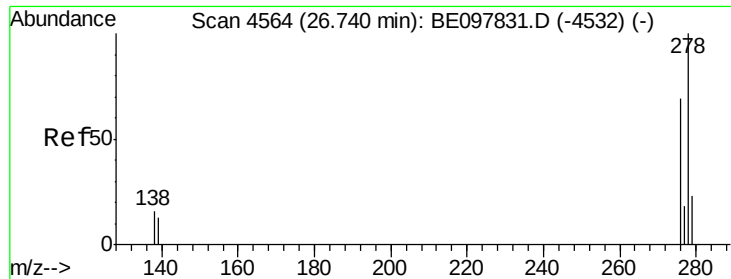


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.423 ng/ul

RT: 26.74 min Scan# 4565

Delta R.T. 0.00 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.458

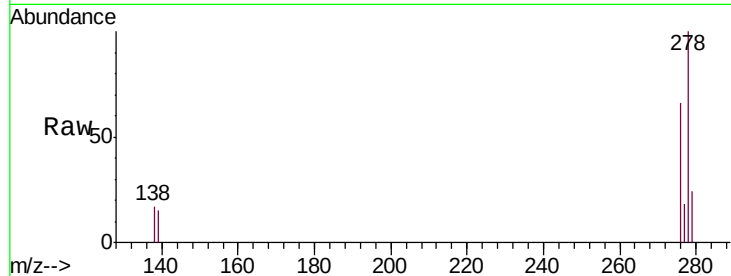
Tgt Ion:278 Resp: 21769

Ion Ratio Lower Upper

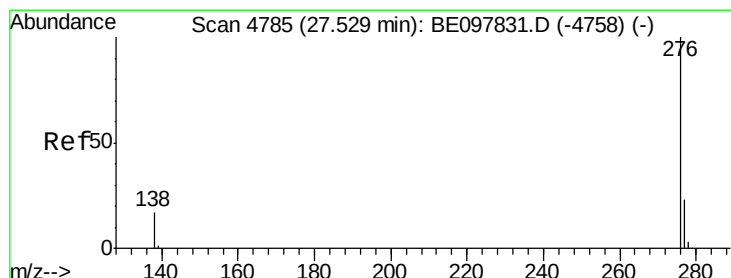
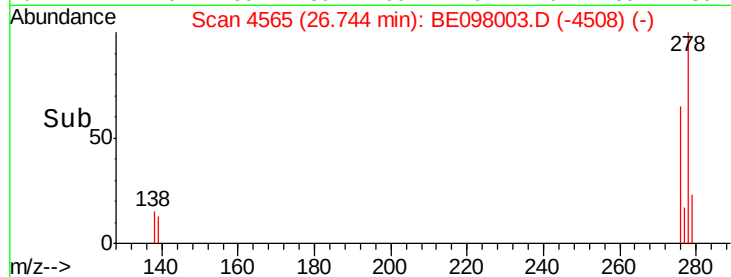
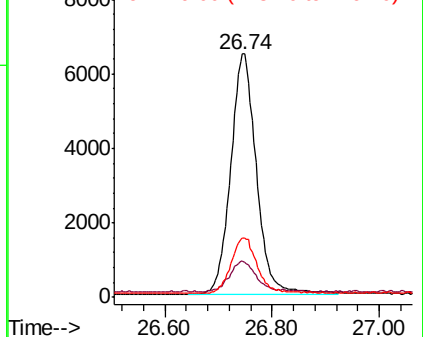
278 100

139 15.0 10.9 16.3

279 24.4 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.385 ng/ul

RT: 27.55 min Scan# 4791

Delta R.T. 0.02 min

Lab File: BE098003.D

Acq: 22 Oct 2018 10:24

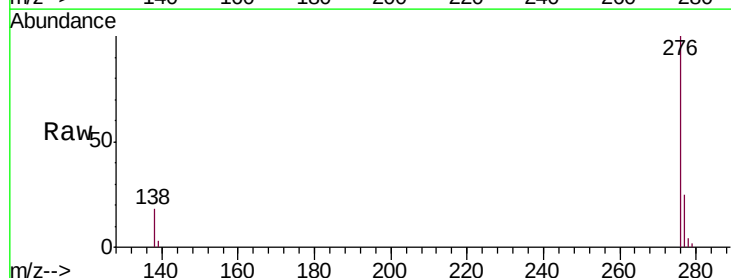
Tgt Ion:276 Resp: 22345

Ion Ratio Lower Upper

276 100

138 18.3 14.3 21.5

277 24.9 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

